146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Scope

Jun '01 pg.1 -61- 1,541

also **ATV & 4 autopatches**

Palomar Amateur Radio Club Inc.

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See pg. 12: Contents, Club Calendar, Repeater Use, PARC Frequencies, and PARC Nets.

Club Meeting

Charlie Ristorcelli NN3V@amsat.org

*(Meetings are held the 1st Wednesday of each month at the **Carlsbad Safety Center in Carlsbad** at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)*

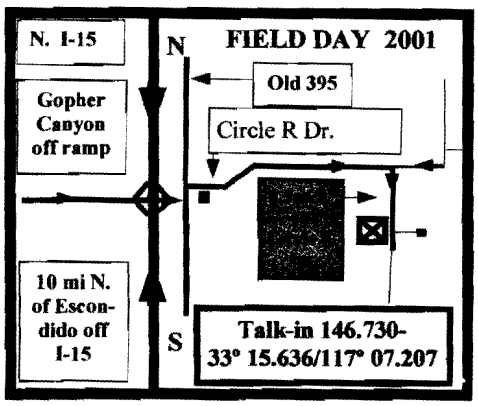
May 2001 Program-

This month is going to be an occasion to "mix it up" a bit. After all, variety is the spice of life.

First off, ***KD6DFW*** (Lesli) is going to show us an innovative and effective homebrew deskmike.

Then, it seems not a day goes by that someone on the hambands somewhere, makes a wish to go to Datyon. Ah yes!. The Mecca of Hamfests. Well, direct from the Hamfest Capital Of The World, we will enjoy a picture report of the Dayton 50th. Anniversary Hamvention!. Imagine that, 50 years of hamventions and the tales that go with them.

Not satisfied yet that this will be interesting?.



Well, always in the search of things that may makes us a bit more knowledgeable of our hobby, our program coordinator has noted that many of you comment and discuss the "new digital modes" with a sense of wonderment! Ahhh!, the mystery of all those "new modes".

So, put your thinking caps on, write up your questions, and come and see "The Demo".

Our very own ***KF6WTN*** (Mark), and ***NN3V*** (Charlie) will have a LIVE demonstration of the digital modes (PSK-31, MFSK-8, MFSK-16, MFSK-32, BPSK, QPSK .....) operating HF "semi-mobile" from the Carlsbad Safety Center. Wide screen projection will make it seem like you are surfing the ether! The mode fundamentals will be discussed, live copy and QSO's will be made, and questions and answers will be provided to those interested in this fascinating new aspect of our hobby.

So come and enjoy a lively evening of fun in our hobby. And as always, remember that the food emporiums of Carlsbad always have a repast of goodies to enjoy before the PARC meeting. Come out, get on the repeater and find where the gang is congregating, and enjoy some socializing at dinner before the show!

July 4th meeting to be held on July 11th!

so that our members can go forth to celebrate the Fourth!

See FD Plans pg.3

Coming Events

Jun.06th,Wed - Club Meeting
Jun.09th,Sat - VE testing Carlsbad
Jun.13th,Wed - Board Mtg.

Field Day "*Site*" Rules

These are the rules adopted by the PARC Board for the 2001 Valley Center 16th Field Day site and are essentially the same as last year:

Keep all **noise to a minimum, especially at night (yelling, generators, etc).

** Park out of all road ways. **Do not block traffic** at any time. If possible, back into assigned parking areas.

Use only **approved bathrooms at the site: There will be a **portable toilet** by the mail boxes near the entrance to the fenced area.

****Always talk politely** to site neighbors and invite them to observe our Field Day emergency exercise.

****No towers erected** except in the presence of ***W9FQN*** who is PARC's representative in charge of the site.

****No stakes** are to be driven into the

ground except in the presence of ***W9FQN*** (water lines -Ed)

****Only non-alcoholic beverages** can be consumed on the site due to safety and insurance regulations (club & site rules by owner(s).

All PARC Field Day **items must be returned at the end of FD to the club's storage container properly marked for the bands on which they were used.

Please **do not pick any fruit. Some of you will be in a commercial grove.

****Problems** will be immediately reported to the Field Day Chairman and/or to ***W9FQN***.

It needs to be remembered that PARC is using land that does not belong to them and we need to follow guidelines set down by our By-laws, insurance requirements, and local site rules of the land providers. (*We are required by one of the land owners to publish these rules and to provide them with a copy of our insurance papers -Ed*)

This will be our 15th year at this Field Day Site. **See Safety Rules on page 8.**

Last meeting *(not quite)*

The April meeting was a great meeting with ***AB6QT***Mike Doyle taking us behind the scenes with many pictures of the Palomar Observatory where he works.

Mike also gave us some history of the telescope and told some interesting stories about its construction which lasted from 1936 until 1948.

Attendance was 88 with 6 guests and a good time was had by all.

Goodie Table

"Goodie" donations came from ***KD6ECD***BarbaraDoyle (3 dishes), ***W6ABE*** Ed and ***W6SST***Jim. You receive an extra activity point for your generosity.

W6SSTJimEgerton & ***KD6TUJ*** DennisBaca took care of the Goodie Table and we certainly do appreciate their efforts in gettting the coffee and goodies around for us to sample.

Long AGOGO *(history)*

WA6KZN-K6HAV-KI6JM(*sk*)-W9FQN

(The purpose of AGOGO is to recall info on file in previous editions of the Scope -Ed)

(06-**00**)...FDRules ..FD Safety Rules ..Red Flag ..Train Ride ..Iron Man ..Laser Communication ..Del Mar Fair ..Area Codes ...

(06-**91**)...***N6KI*** on FD ..71 members and 18 guests ..more FD info ....

Board Mtg. *(Minutes)*

David Patterson WB6DAV@Juno.com

Next meeting at KB6NMK QTH

(Club members are invited to Board meetings at Board members QTH's at 7pm on the Wednesday following the club meeting as announced herein. You receive one participation point for attending. A copy of the complete minutest are at the general meeting.)

Board Mtg. May 9th, 2001.

Present: Mike AB6QT, Charlie NN3V, Al W6GNI, Jo KB6NMK, Stan W9FQN, Mark KF6WTN, Dave WB6DAV & Alan N2DCA

Absent: Helmut KG6ERZ

Guests: None

Meeting called to order at 1900 Hrs.

Treasurers report read and approved.

Secretary's report approved as printed in the Scope.

Mike AB6QT submitted a bill for $3.50 for postage.

Allen asked Ted KF6BFI if he would fill in for Helmut as a **temporary board member** as it looks like Helmut won't be returning for at least the rest of this year. Awaiting a reply from Ted.

Mike reported that John WB6IQS made a switching system for the **cameras** at the repeater site. It will be installed in the future. The **447.000** repeater has been repaired and will replace the temporary repeater now in use. There was found a fault with the **AC grounding** system at the site, the fault seems to be with SDG&E, Stan will contact them for necessary repairs.

Stan reported that the turnout for the **work party** was very poor, but everyone worked well together. Two computers were brought to the site. One for packet and the other for controlling the repeaters. There hasn't been any reports lately of **interference** between the 130 and 730 repeaters. Let Stan know if you hear any and what time. Stan has written a letter to get permission to use the same site as last year for **Field Day**. The **autopatch** is back on line after getting some work done on it. Field day **rules** were approved to be the same as last year and will be published in the next Scope.

Next board meeting at KB6NMKJo's QTH. Meeting adjourned at 1957 Hrs.

PARC FD Plans

Yes, it is finally here!

If this is June, there must be a Field Day for PARC participation!

The PARC FD crew is ready for a great time, and we hope you come out and enjoy the event, have a picnic with us, and maybe even operate. Remember that this is your chance to operate all modes, all bands!

What follows is the basic schedule.

Friday June 22:

Preliminary set-up will begin around 2:00 PM. Towers will be taken to operating positions, along with the shelters for the stations. Around 3:00 PM we will erect towers, and AT THAT TIME WE CAN USE AS MUCH LABOR HELP AS WE CAN MUSTER FROM PARC VOLUNTEERS!

Saturday June 23rd:

Starting at sunrise, it will get VERY busy. The ARC Road Kill Cafe will serve breakfast to the crews on site ready to start equipment set-up. Final tower raising will take place, and the beam antennas and the equipment to control them will be activated. All the stations will be tuned up.

At 11:00 AM (PST) FD operations will begin. This will go continuously for 24 hours. At 5:00 PM, the ARC Road Kill Cafe will start serving our picnic dinner TO WHICH ALL MEMBERS ARE INVITED. Basic vittles will be available (hamburgers, hot dogs, chips). We ask anyone attending the picnic to bring a pot-luck favorite dish to share with the site crew and anyone else attending the picnic. This year we anticipate several local public officials will attend to observe emergency communications preparedness.

At twighlight, weather permitting, we will once again enjoy the light show of our world famous Laser Communications demonstration. If you missed it last

P.A.R.C. Inc (*2001 Board*)

Pres: Allen Maslowski **N2DCA** 858.642.2400x1229 N2DCA@amsat.org

VP: Charlie Ristorcelli **NN3V** 858.676.3307 NN3V@amsat.g

Sec: David Patterson **WB6DAV** 760.727-5560 WB6DAV@amsat.org

Treas: Jo Ashley **KB6NMK** 760.741.2560 KB6NMK@amsat.org

Dir#1: Mark Raptis **KF6WTN** 760.749.4825 KF6WTN@amsat.org

Dir#2: Helmut Stroeml **KG6ERZ** 858.720.0549 Hkstromel2@aol.com

SCOPE: Stan Rohrer **W9FQN** 760.749.0276 W9FQN@amsat.org

Technical: Mike Doyle **AB6QT** 760.742.1573 AB6QT@amsat.org

MSh: Al Donlevy **W6GNI** 760.630.3096 aldonlevy@Juno.com

Board Mtg. 7:00 pm Wednesday of week following the Club meeting as announced.

Treasurer $$,$$$

Jo Ashley
KB6NMK @amsat.org

See me at club meetings for "hard copies" of financial statement(s).

Location	03.31.01	04.30.01
CD179-1311891-8	3,025.35	3,025.35
CD8761216457-6	2,410.71	2,423.16
CD8761216625-9	2,567.73	2,579.55
CD8761216778-6	2,525.32	2,538.06
CD8761391556-4	3,061.00	3,073.72
Checking 010566	3,765.86	3,385.41
Post Office	103.97	103.07
CaSh+CD's	17,459.04	17,128.32
LongTermReserve	9,000.00	9,000.00
Pre-Pd.dues/liab	7,046.00	6,855.00
projects/available	1,413.04	1,273.32

We have $$ set aside for emergencies at the repeater site in case of fire or earthquake.

Possible Costs: antennas ~$750ea; tower ~$3k; buildings ~$3k; batteries $?;

Routine: Scope printing ~$250/mo; Scope postage ~$65/mo; electricity ~250/mo; phone ~$50/mo = **~$615/mo.** (Insurance each Nov. ~$1,100/year)

Under **consideration**: 6m repeater spare ~$200; 449.42 repeater spare ~$100; spare antennas ~$800; etc = **~$1,100.**

Approved **expenses** not spent: ~$100 tent trailer; $110 crystals = **~$200**

Last month's Scope Helpers:

Thanks to Art and Anita for the folding space and the refreshments. Really great cookies. (*the greatest!*)

KB6YHZArtNye	&	***KB6YHY***AnitaNye
W6GNIAlDonlevy		***K6ML***JimPaquin
N6UZHTerriBrewer	&	MY2KID, Kimmy &Toby
KB6NMKJoAshley		***KG6AEW***BillOwen
WA6YOOHarryHodges		***WA5ACE***SonnyStires
KC6WAN RalphPowell		***N6OYG***VictorMusil
W9FQNStanRohrer		***WA6UTQ***LarryRuegseger

year, do not miss this time. It is brighter than ever!

And of course, at midnight, the world renown PARC Road Kill Chili Cook Off will be offered. If you stay 'till midnight you will have a memorable experience.

Sunday June 24th:

PARC Road Kill Cafe will serve breakfast at sunrise to the operating positions. FD operations will continue until 11:00 AM (PST). At that time site tear down will begin.

The PARC FD organizers ask you to come out and help.

Remember that if you participate at the site in any FD event, you earn 1 ticket (up to a maximum of 3 tickets) towards the PARC September picnic raffles and goodies. We definitely need help with tower raising, and lowering (and the lowering is worst because the FD crew is mighty tired after 24 uninterrupted hours of operations). And we can always use operators.

Remember: FD is a chance for PARC members to OPERATE ALL MODES ALL BANDS. If you do not have access to HF, or satellite, this is a FINE CHANCE to gain experience and have some fun.

Hope to see you at FD. 73 de NN3V

President's Message

Allen Maslowski **N2DCA**@amsat.org

Time is one of those commodities June has finally arrived. I would like to remind everyone that **Field Day** is just around the corner. Charlie *NN3V*, our Field Day Chairperson has been very busy getting this event organized for our club. As you all know, no matter how much work is done on preparing for this event, and other types of events, there is always room for more help.

If you are interested in participating in Field Day or just want to help setup or tear down, please contact Charlie, *NN3V*. Visitors are always welcomed. Look for more Field Day information elsewhere in the Scope.

I have had several discussions over the last month with various members of our club on a variety of topics. One of the topics that came up was the PARC Bylaws and how the Board of Directors operates.

Bylaws for any club such, as ours exist for allot of reasons. Let me explain why clubs and organizations such as our need to have them. Bylaws form the legal binding document that governs the Palomar Amateur Radio Club. This document provides the basic framework for the purpose of our organization, and the governing structure, the Board of Directors.

Our bylaws may never be suspended*. The PARC bylaws are reviewed from time to time to determine if any amendments are needed. The bylaws outline the requirements for amending the bylaws and specific rules/ policies that must be followed by the PARC membership. The Bylaws also outline the general membership requirements, dues and meeting frequency. These meetings are the clubs general meetings that we enjoy and the Board meetings.

The meeting frequency for us is once a month for both the general and board meetings. The PARC bylaws explain the Board of Directors positions and their roles and term of office. They also set the number for a Quorum in the event that not all Board members are present for the meeting. For PARC, a minimum of five Board of Directors must be present in order for us to conduct club business. Our bylaws outline the committees and include amendments made over the years. When amendments are needed, they are pro-

AD6LA

SK SK SK SK SK

KB6MLA

Nov 19, 2000

posed by the Board* and a vote is taken. The voted new amendments are then, in our case, published in the Scope for the general membership to view.

Our board meetings are run using a set of modified Robert's Rules of Order. These modifications are discussed in January at the first meeting of the Board of Directors. They are discussed to enlighten any new board members that are voted in during our elections.

The Rules of Order are modified with the general consensus of the board, to help make the meetings progress at a faster pace and to make them less formal and enjoyable.

Any member of PARC is always welcomed to the Board of Directors meetings. Since space is limited at our board meeting sites, it is appreciated if a note is dropped to the board that you will be attending our board meeting.

A copy of the Palomar Amateur Radio Club's Bylaws is available at the general club meetings. The copy of the Robert's Rules of Order is available on the Internet. The modifications can be found in the minutes of the board. I hope this explanation will help some of our members get a better understanding on how the Palomar Radio Club works. Allen , N2DCA

(**they may be amended. **some amendments require a vote of the membership. - Ed*)

Laser Demo

It appears that last year's demonstration of a full duplex voice laser "communicator" will be repeated at this year's Palomar Amateur Radio Club Field Day Site in Valley Center. The tentative date and time: June 23, at dusk. Watch the CGC Communicator for details.

This story from CGC #400 provides valuable background info: Ham radio operators have invented a simple way to beam voice signals through space using inexpensive over-the-counter 'red pointer' lasers. Here's how they did it, using cheap stuff, a proud tradition in the amateur community:

http://albums.photopoint.com/j/AlbumIndex?u=33595&a=6972623

Download the four photos from left to right by clicking on each one; download even the two that appear to be all one-colored thumbnails. Text explanations accompany each picture.

Rotating Blackouts

The following web site contains an on-line application for certain California businesses to apply for exemptions from the much anticipated rotating power outages:

http://www.rotating-outages.com/default.asp

Business customers who can demonstrate clearly that rotating power outages are likely to pose a significant threat to public health or safety are welcome to apply. Claims of economic harm or inconvenience to the customer will not be considered.

(URL courtesy of Kent Randles)

Club Membership

Al Donlevy **aldonlevy**@Juno.com

New Members Joining PARC in April 2001.

KF6ZZ and ***VE7ANS***.

When you hear these calls on a repeater, greet our new members.

In addition, the following were reinstated, after an absence:

AD6WK, KN6OL, NE6O, and ***KM6XA***. Welcome back!

That's the good news, and now more good news.

One day in May, our post office box (Box 73) contained renewals from three members that extended
their membership for more than 1 year; ***KF6LYO***, ***KD6YY***, and a long time member (without a call, yet), all renewed for 2 to 4 years.
73 and Thank you.

ARES Alert (1)

The ARES Alert, monthly newsletter of the Amateur Radio Emergency Service, San Diego Section, is now available only on the Internet at the San Diego ARRL/ARES web page. To read, print or download the ARES Alert, connect to

http://www.qsl.net/sdgarrl/alert.htm.

To read or print the Alert you will need the Adobe Acrobat Reader program installed on your computer. Acrobat Reader is a free program and can be downloaded directly from the above web page.

Starting with the June issue, the ARES Alert will be available only on the Internet and a few printed copies will be available at HRO.

This change in how the ARES Alert is distributed is due to the nearly 80% increase in production costs (paper, copy service, etc.). The Section Manager's limited budget can no longer absorb the cost. We hope everyone will make use of this version and continue to stay abreast of ARES news. Tnx, 73 de Steve, K6PD

Alert ARES (2)

The ARES Publication - **Alert** - is now available on PALBBS via packet - List SDARES - you can download it and print it and distribute it to your groups. 73's Dennis K7DCG

(*PALBBS is located in Vista and is easily accessed through the club's packet repeater on 146.7 (-600) directly with NO connection to the repeater. Issue a C PALBBS and you should have a direct connection -Ed*)

Street Fair

Well, Escondido had their biannual street fair last Sunday and it seemed to go well, except we could have used a few more good men/woman. As usual we had the same old faces, thanks to those of you who participated. I noticed a lot of names signed up for the Sunday ARES net. If you have signed up to be available in the event of an emergency then this would have been good training. We had a number of lost children and some lost parents. This requires passing/receiving descriptions of the lost persons. Not something that you do in your everyday radio conversations.

With the number of people who have signed up for the Sunday ARES net, if you only could volunteer for one event a

year we could full fill our commitments. I understand that some of the events are on work days, but not all of them are.

As a side benefit, some events we receive free meals, T-shirts and hats. Think about it. Hope to see you at the next event. Assistant Northern DEC, Norm KF6GOF

Del Mar Fair 2001

Barbara Rohrer **KA6FPS**@amsat.org

The Palomar Amateur Radio Club will again operate the SANDARC amateur radio booth at the Del Mar Fair as we have done for many years.

We will again need 3 shifts per day of 2 operators each shift. Shifts are from 10-2, 2-6, and 6-10. So our requirement will be at least 24 club members which is an increase of 6 operators since we have been assigned an extra day.

For serving the club in this capacity you receive 1 activity point and a **free** ticket to the Fair (good all day).

If you would like to participate, please contact me at my e-mail address or hand a slip of paper to my OM, W9FQN at the June club meeting.

	Fri.29	Sat.30	Sun.1	Mon.2
10-2	W6YOO N6TCB	_____ _____	_____ _____	W6GNI W6HCD?
2-6	_____ _____	N6KI KF6YVQ	_____ _____	_____ _____
6-10	_____ _____	W9FQN KA6FPS	_____ _____	_____ _____

Sunday Sailor's Net

The Sunday Sailor's net on 147.130 which used to meet every Sunday morning at 10:00am was cancelled but it appears some volunteers have come along to take the net for awhile. Larry has had other obligations in Palm Springs on Sundays and has not been able to conduct the net as he has for approximately the past 6 years.

More information on the Sunday Sailor's Net will be in thein the July Scope.

PARC Inventory

Dennis Baca **KD6TUJ** **denniskd6tuj**@juno.com

Do you know what PARC has in inventory to serve our members and community? Most hams will not, and neither do I. I have accepted the challenge of REcompiling the inventory for the club. The last and most accurate inventory list was in 1992 so there is a small amount of catch up to do.

Plans are to physically inventory all sited equipment in use, and in storage by the end of the year.

As a sampling, at the Field Day site (Stan's QTH) we have 11 HF beam antennas. Most are in very good condition as they are used for FD and available for that unknown emergency.in addition there are 3 HF verticals and 11 2m antennas. And this is not the total.

If any of you know of donations made to the club, I would appreciate a note of what it is, last known place, and approximate date.

Activity Points

PARC awards activity points for various Board approved activities and each point is worth one ticket for a drawing at the club's Picnic up to a maximum of 20 tickets. For example:

1 Free point each year
1 point for club meetings attended
1 point for attending Board meetings
1 point for club picnic
1 point for bringing goodies to mtg.
1 point for FD work parties
1 point at Friday FD setup
1 point at Saturday FD
1 point at Sunday takedown
1 point at approved work parties
2 points repeater site work party
1-5 points for net managers, controls
5 points for committee chairmen
1-10 points equipment construction

The drawing prizes in years past have been many small prizes and larger prizes consisting of gift certificates at the Candy Store ($200, 100, 50, & $25 certificates). You must come to the PARC Picnic with your tickets.

HAM RADIO OUTLET
HRO
Tom KM6K
Ron N6OMW
Jose XE2SJB
Bob KA6EKT

KENWOOD
rf CONCEPTS
DIAMOND
US TOWERS
KANTRONICS
YAESU
MFJ, ICOM
BENCHER, Inc.
HUSTLER
COMET
AMERITRON

Astron,
AEA,
OUTBACKER
Larsen Antenas
TEN-TEC
hy-gain, Tri-EX,
cushcraft
and
others too
numerous to
mention!

Drop in to see our display of working equipment.
Find out about Pkt location determining equipment (APRS).
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: 10a.m. - 5:30p.m.
Monday thru Saturday
858 560-4900 or toll free 1-800-854-6046
5375 Kearny Villa Rd, S. D.
Ask about our great prices
Dec98

Directions: On 163, take Clairemont Mesa Blvd. off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and HRO sign. Be sure to see our equipment in action on real antennas.

Attendance Sheets

When signing into club events, please make sure that you PRINT your call in CAPITAL letters so that it can be read easily. Some calls are written with a mixture of capital and lower case letters which is difficult to read accurately.

Also, at some meetings, people step out into the hall or are standing up against the walls and forget to sign in on the attendance sheets. We need this as a record of who attended and the total number at each of the meetings.

We need to have wives and guests sign in also so that the Carlsbad Safety Center knows how many we are serving.

Alligators

After being a ham for over 50 years, some one finally explained the "**alligator got you**" to me.

I have heard the expression, "**The Alligator got you**" when someone timed out a repeater. I wonder how many hams know why that expression?

The reason is that an alligator is "all mouth and no ears"!!

It only took me 50 years to find that out. 73, ***W6GNI*** Al

NTS, Del Mar, Cleanup

The **San Diego Section** of the ARRL needs a new **Section Traffic Manager**. After nearly 30 years, present STM Warren Dilley KT6A has decided it was time to step aside, spend some quality time with his wife, and maybe even travel a bit, and it is well deserved!

I would like the new STM to have some experience in the handling of message traffic. This is very important, especially in case of emergency traffic. The STM would also recommend to the Section Manager the appointment of Official Relay Stations. Official Relay Stations are those Ham stations who show sincere dedication to the passing of traffic, whether it be voice or cw.

What are the main responsibilities of the STM? As Warren, KT6A states, "It requires ARRL membership and reporting monthly Station Activity Reports (SAR) for ORS's and traffic section net status to ARRL and the SM monthly, via e-mail. No big deal."

If you are interested in this position, please contact me at **nz6t@arrl.org**. My phone number until June 5 is 619-475-7333. After that date, it will be 619-434-4211.

I am sure you have already read elsewhere in this issue that the **Del Mar Fair** is coming up fast, and with this fact in mind, we are going to be needing many folks checking into the traffic nets, each and every nite, at 8pm on 146.730. A lot of traffic will be passed for local delivery, so that means many folks will be needed to make phone calls.

I Love A Clean San Diego will be having another beach cleanup on July 8th. I have been told we will be having about 25 beaches to man with communicators, and several of those are located in the Northern District. Please stay tuned to the Section Net each and every Sunday nite, 7pm on 146.265.

Another way I try to keep you in touch on what is happening through out the section is by way of my weekly Internet newsletter. ***If you are a member of the ARRL, and have Internet capabilities, go to the members only website, and go to your data page, and make sure you are signed up for the Section news.***

One last item, the **monthly meeting** of ARES has been moved to a new location. After over 30 years of meeting at the Normal Heights Methodist Church, it was time to move on, so move on we did.

Our meetings are now held at Coco's Family Restaurant, located at 5955 Balboa Ave., on the 2nd Saturday morning of each month. Breakfast is at 7am, with our meeting starting at 8. That is in the Clairemont Mesa area of town, a tad bit closer for the folks from the North County.

Been a long time since we have see many of you at our meetings, and hope that changes very soon. The Northern District is a very important part of the whole picture, and you are a very important part of the Northern District. Look forward to seeing you! 73, Tuck NZ6T, San Diego ARRL Section Manager

Science Fun

Looking for summer science fun?

Beginning in June, the Fleet Center is offering some fantastic science programs, workshops and special events for all ages and families. Visit their website at: **www.rhfleet.org/RHF/education/springsum01/index.html** or, for a complete catalogue, contact Joleen at **<jfarebrother@rhfleet.org>** or by phone at 619-238-1233 (x 853).

EDIS on the Web

The State of California's Emergency Digital Information Service (EDIS) bulletins are available on the web. Watch for power shortage announcements and the like at:

http://edis.oes.ca.gov/

(When the introductory page downloads, wait several seconds and a new page with bulletins should automatically pop up. Unless, of course, the state is out of power.)

Spitler Hike

In the northern half of the world, June 21st is the first full day of summer. The sounds of lawn mowers are everywhere, and everyone's headed to the pool. It's time for sun screen and summer fun.

Spring is almost gone and summer is almost here. We have already past the best hiking time in the desert But I hear the mountains calling us. Late spring and early summer are great times for mountain hikes.

On the 3rd of June W9FQN has a hike planned to Spitler Peak. This is near Mt. San Jacinto, and is planned for a "training hike" for Mt. San Jacinto some time in July or August.

If you are interested in this hike to Spitler Peak contact Stan at W9FQN@juno.com. We will keep you posted about the Mt. San Jacinto hike. 73, Glen ***KE6ZLY***

For Sail

Personal equipment ads *are free to members and could be "bumped" after 3 mo. Make up your ad like the ones below and send to Editor, W9FQN, 30311 Cir. R Ln, Vlly. Ctr. CA 92082, (W9FQN@Juno.com) before the 20th of each month.*

Commercial Ads *in big boxes: $2/col. inch/mo. We will "squash" your copy to the number of inches bought.* **W9FQN**@Juno.com

(5.25)**Kingston** 8-Port 10MB Ethernet Hub (also coax connections) & two 3COM 10Base-T network adapters (ISA), original package $50: ka2blq@amsat.org

(5.21)12"**HiFi** spkrs(2) w/mid/hi range tweeters $20ea: W2MRM 858-451-5690

(5.12)6ea color **T.V.** sets free: Lee KE6NLZ leonluce@nctimes.net Rainbow. 760-728-2078

(5.09)***ESTATE*** **KG6AMQ(*SK*)** Sale-
1. **Yaesu** YS-60 1.6 - 60 MHz Power & SWR Meter. Meter has 0 - 2 Kw power handling capacity. Mint condition $140
2. **VCI** V300M 300w HF ant. tuner $85
3. **Yaesu** SP-767 speaker and phone patch. Ideal for use as a phone patch and external speaker for any HF rig $80
4. Radial **Larsen** 2m glass mt 1/2 ant $40
5. **Van Gorden** HI-Q 1-1 Balun $20
6. KB6MT High speed code course (3 casette tapes & manual) $15
7. **Technician** "No-Code Plus" FCC license preparation course. 3rd. edition. Question effective through June 2001 $5

PALOMAR ENGINEERS
Box 462222, Escondido, CA 92046

TOROID CORES
Palomar stocks a wide variety of cores and beads.
Our RFI Tip Sheet is free on request.
Our RFI kit keeps RF out of your telephones, TVs, stereo, etc. **Model RFI-4 $25 + tax + $6 to ship.**

BALUN KITS
Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160 m).

Model BA-58 (for RG58, RG8X & similar cables up to 1/4"dia. $7.50 + tax + $6 S&H/order
Model BA-8 (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. $15.00 + tax + $6 S&H/order

TUNER-TUNER
Tune your tuner without transmitting. Save that rig! Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You have a 1:1 SWR.
Model PT-340 $99.95 + tax + $6 S&H

See catalog at www.Palomar-Engineers.com
Please check our complete ads in QST, 73, CQ, and World Radio magazines.

Prices negotiable to best best offer, contact 619-686-5607, or NN3V@amsat.org

(5.08)***ESTATE***: **Realistic** DX-160 SWL Receiver $70; **ICOM** IC 740 HF xcvr with all accessories $450: *Eestate* of KB6MLA, phone (760) 632-8677.

(05.07)Crank up/and tilt over **tower** installs like a telephone pole (no concrete footer required), rotor with thrust mount included, steel galvanized, commercial quality w/instructions $475; 10, 15, 20 trap 3el yagi w/10m reflector $100: Steve 858 451 5690 RB

(04.19)**Swan** Mark II amp 2kw pr of T-500Z's new pwr supply $400; **Kenwood** TS520 new finals $175; **Rohn** Foldover 54' twr w/HighGain 5el mono beam & **Telex** Tail Twister Mod T2x rotator plus 150' of RG8/U $400: Paul W8VDH 760-726-5007 Vista.

(03.20)**Kenwood** TS-450SAT HF Rig $500; **Kenwood** TS-60 6m All Mode $500: Rod AC6V 760-945-6050 ac6v@amsat.org Ocsd.

(03.15)**Telex** 50' crankup on ground, rotator, **Hy-Gain** 3el triband beam, coax cable, **Yaesu** FL-2100B linear, misc, $300: Art K6HU 619-697-1538 S.D.

(02.19)**Drake** MN-4 300 Watt Antenna Tuner $95; **Alpha Delta** DXCC 80-10m shortened dipole $40; **Astron** RS4A P/S $20: Herb - KO6Z - 760-736-4095

(02.18)Ham radio station (complete) w/**Yaesu** F"T-1000D with antennas $4,500; (best offer for following) MDIC8 **Yaesu** mic; **Alinco** DR1200T data radio; **Packrat** PK-232MRX data controller; **Time Wave** digital noise filter; **MFJ**-422BX **Bencher** paddle keyer; Bencher Iambic paddle, **MFJ** Versa Tuner 989C 300w; **Tektronic** 454 oscilloscope with probe; 12v **Micronta** Reg 12v P/S; **Eico** DC Reg 0-30v P/S; Astron 12v P/S RS20A; pkt cluster guide: Erwin AB5XE 909-301-8823.

(02.07)**1kw** in dual Bud cabinet 5'9x41" panel space 2(61"x19"), 4-plug-in coils 80, 40, 20,10, variable & fixed caps, uses 2 **Eimac** 4-250's, switch class C or linear B, separate supplies screen, neg bias, control panel variac, push start, run a & off, breaker on hi-volt supply, indicator lights, pwr/VSWR URA27 panel, HV pwr supply 4000v @ 0.5A (variac ctrl); other side of rack class B modulator 600 watts, pr 810's drv pr 6B4's with 5u4 supply & VR75 reg, separate hi-volt supply 4,000v @ 0.5A, 37'x19" open space available: WB6BKR John 858-454-4833 gehmansr1@juno.com

(12.14)**Heath** VTVM w/RF probe/manual $35; KW SWR(separate sensor/meter) $25; Selection heavy duty switches, coils & var. condensers for KW project; **MAC Performa** 630CD w/monitor, 56 modem, printer, scanner, lots of software/handbooks offer?; 2 **ANTIQUES** for bids (Circa 1925 **Magnavox** audio Fq. Amp. Type AC3, Mod. C, No.2236 using 3 type 01-A push-twist tubes, external 'A' & 'B' batteries; Circa 1933 **Heintz/Kaufman** Ltd San Francisco Radio receiver regenitive type 900 # 113, 3800-23000kc, US Patents 1,507689-1,907,806 $400+): Larry W6LCT Vista 760.724.9996 B4 5pm or 7-9pm daily.

(12.10c)**Siltronix** 1011B xcvr 150; **Palomar** Messenger 2V Linear 50; Big Stick Antenna 35; 2m **Ringo Ranger** antenna 35; no reasonable offer refused: Dave @ (760) 727-5560, wb6dav@juno.com

WANTED: *(A few good men/women)*

(5.28)**Wanted kit builder** (elecraft k1 kit): Don KF6NMA Poway (858) 486-5927 donald@henkearchitect.com

(5.13)**Wanted help** in assembly and erection of **Wilson 61'** tubular twr: Mike K6QBZ@Juno.com or 760 751-9248 V.C.

(5.11)**Wanted vibrator** for 1956 plymouth car radio.mopar model 840; Vibrator is CDE C-3 12v 115cps. base DA. Cornell Dubilier: Joe Craig W6HLB

Jeff N6FRW **Grace N6WPA**

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www.nicdlady.com **e-mail: nicdlady@nicdlady.com**

joec@nctimes.net 760- 757 1272

(04.21)**Wanted: Cushcraft** R5000 1/2 wave vertical antenna or equivalent for experimental purposes. Warren--W6EYP--760)744-5097 or e-mail, W6EYP@juno.com

(04.20)**Wanted - Kenwood** TH-27 or TH-78 HT, any condx batteries OK. Dennis N6KI 858-271-6079 or n6ki@amsat.org

(03-19)**Wanted**: replacement Power meter for **Yaesu** FL-2100B linear for disabled Romanian Ham, any help greatly appreciated: Mark KD6TB (858)485-0513 or KD6TB@hotmail.com.

(3.10)**Wanted**: **CTCSS** board something like a **TE-32 or 64** for older radio: Dave WB6DAV@juno.com San Marcos (760)727-5560.

Grab Bag at Mtgs.

At the next club meeting ***W9FQN*** Stan will have some more of the club's buckets of valuable junk at a table near the right wall (at least it is not the wrong wall:) small parts, radio books, magazines, HT belt holders, etc. Some items are priced 4/$1 and other buckets 2/$1.

Rolling Blackouts

The Palomar Amateur Radio Club does not anticipate that our repeaters or autopatches will be affected by Rolling Blackouts here in San Diego County.

Most of our repeaters are on battery backup and should last the 45-90 minute rotating blackouts.

The three autopatches all have battery backup. Our weakest link is probably the computer 486 dialing system which requires 110vac for operation.

The computer is on a UPS which we hope will last for an hour and the transmitter/receiver combo is on battery. If not, then the patch will shut down.

Cell Phone Bill

There are two California Assembly Bills pending regarding cell phones and their use in motor vehicles. The first (AB 770) is a bill which would require CHP and others to simply note whether use of a cell phone or other electronic device was "a known or suspected contributory factor to the cause of the accident or violation." The second Bill (AB 911) would require drivers to use a cell phone that is "specifically designed to allow hands-free operation and is used in that manner while driving" except for emergency calls. See and read more at:

http://leginfo.public.ca.gov/pub/bill/asm/ab_0751-0800/ab_770_bill_20010416_amended_asm.html

http://leginfo.public.ca.gov/pub/bill/asm/ab_0901-0950/ab_911_bill_20010417_amended_asm.html

URLs courtesy of Harold Hallikainen

Safety Rules *(FD committee)*

(additional rules adopted by the Field Day Committee and are in addition to those on page 1 of this Scope -Ed)

2. **Towers**

Extreme caution shall be exercised while erecting a tower or metal pole in the vicinity of high voltage lines.

3. **Generators**

a. All Generators shall have a **Fire Extinguisher** easily accessible in the near vicinity but not right by the Generator.

b. All Generators shall be placed in a **safe location** a safe distance from combustible materials, with the exhaust pointed in the safest direction to minimize fire and the exhaust fumes getting to the station operators. Exhausts must also be pointed away from any houses which are to the south and northwest side of tank.

c. All gas containers for **refueling** shall be placed a safe distance from generators and station shelters.

d. No **refueling** shall be done while the generator is running.

e. No **smoking** near generator while being refueled or near gas containers.

f. All extension **cords** shall be in good condition to avoid electrical shock to operators and visitors.

Any **safety or health** issue, however small, must be reported to one of the Field Day Committee Representatives immediately.

All **violations** of these rules shall be reported to the Field Day Director immediately.

Committee Chairmen

(appointed to serve Sept'99)

ARESinfo.	-Dennis S	**K7DCG@amsat.org**
Attendance	-**Stan R**	**W9FQN@amsat.org**
ATV	-BillS KB6MCU	**W6GIC@amsat.org**
Auction	-	
Badges	new -Al	**W6GNI@amsat.org**
Batteries	-David KD6EBY	DAT@Gerry.Palomar.caltech.edu
BBSMonitor	-Bill B	**N6FMK@amsat.org**
Billing:Ads/etc	-Lyell K	**K6GVM@arrl.net**
By-laws	-Paul KF6VIE	pdecicco@pondlaw.com
&	-Ron RWA9JCL	r3mb@concentric.net
Contest Info	-Dennis V	**N6KI@amsat.org**
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair	-Barbara R KA6FPS	**Tennis42@Juno.com**
Emergency QTH's	(Emergency Com. Centers)	
HarryH	-W6YOO	**W6YOO@amsat.org**
DennisV	-N6KI	**N6KI@amsat.org**
Field Day	-Charlie R	**NN3V@ARRL.net**
FDTech.	-John K	**WB6IQS@Juno.com**
Historian	-Stan R	**W9FQN@Juno.com**
Interference	-BillS	**KB6MCU W6GIC@amsat.org**
Inventory	-Dennis B	**dennisKD6TUJ@juno.com**
MtgGoodies	-Jim E	**Whisky6SST@juno.com**
Membership	-Al W6GNI	**aldonlevy@juno.com**
Nets	-**Stan R**	**W9FQN@Juno.com**
Newsletter	-Stan R	**W9FQN@amsat.org**
PALBBSpkt	-Bruno H	**KF6QDP@amsat.org**
Patch Info	-Stan R	**W9FQN@Juno.com**
PatchETronics	-Jerry H	**WB6FMT@amsat.org**
Picnic	-	
PowerAC/DC	-Mike P	**KD6VHI@amsat.org**
Programs	-Charlie R	**NN3V@ARRL.net**
Publicity	-Fred S	**K6ISS@amsat.org**
QSL Cards	-Merle R	**KR6BT@Juno.com**
RACESinfo	-Jo A	**KB6NMK@amsat.org**
Red Flag-	W6HCD	NashWilliams@Compuserve.com
Rptr Site	-Stan R	**W9FQN@Juno.com**
Rptr Skeds	-Stan R	**W9FQN@Juno.com**
SANDARC	-Sybil A	**W6GIC@amsat.org**
	-Bill S KB6MCU	**W6GIC@amsat.org**
SellerTable	-John K	**WB6IQS@Juno.com**
AstSWDivDir	-Walt	**WA6ODQ@arrl.net**
TechSite	-Mike D	**AB6QT@amsat.org**
TestingVE	-Rusty M,	**DuneDancer@worldnet.att.net**
Training	-_____	W6NWG@amsat.org
TrusteeW6NWG	-Mike D	**AB6QT@amsat.org**
Web Site	-Frank L	**KE6WOE@amsat.org**

(Net Managers) (see pg.12)

ARES Sun	-Stan R	**W9FQN@amsat.org**
Staff Net	-David D	**KC6YSO@amsat.org**
ARES 6m	-David D	**KC6YSO@amsat.org**
Ham Help	-Mike D	**AB6QT@amsat.org**
	-David D	**KC6YSO@amsat.org**
Hiking	-Ed	**KF6DXX@Juno.com**
	-Glenn P KE6ZLY	**KE6ZLY@Juno.com**
MARA	-Cathy KE6IQU	W6NWG@amsat.org
Microwave	-Kerry B	**N6IZW@qualcomm.com**
Off Road	-Jerry A	**jwak6pfp@cts.com**
	-Dick W KA7AYT	**rwilimek@home.com**
Sailors	-	
Traffic(SDCTN)	-Charles**N6TEP**	cmiele@juno.com

Names in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to ***W6NWG***@amsat.org or P. O. Box 73, Vista. CA 92085-0073.

Repeater Status 04.22.Ø1

146.730+ : Normal, no observed probs
147.075- : Normal, no observed probs
147.130- : Normal, no observed probs
147.000- : Using emergency repeater
52.680 : Normal (almost) ant prob
146.700- : Packet Repeater Normal
145.050s : Packet Digi Normal
PALBBS : Bulletin Board Normal
AutoPatch: Fully Operational
ATV : **Off the air?**

Work Parties

Jun 10th Regular Rpt.Site Work Party
Jun 22nd Field Day setup VllyCtr
Jun 24th Field Day takedown V.C.
Jul 15th Regular Rpt. Site Work Party

Work Parties *(trabajo)*

*(General workparties are usually scheduled the first Sunday **after** the first Wednesday Club meeting -Ed)*

Next general workparty:

New club members should consider coming to some of the repeater work parties to see the equipment we operate.

We meet at the top of the mountain (S7/S6) in the parking lot in front of Mother's Kitchen at 10:30 A.M. Bring water, lunch, sun screen for a day of beautiful Palomar Mountain weather.

(05.06)Our first work party at the repeater site since the winter snows was very lightly attended.

KC6YSODavidDoan helped ***N6PIG***BillBennett with the 52.68 repeater. They found that by banging on the repeater that it would work. ***W9FQN***StanRohrer, when he arrived at the site found 10 ft of the 6m antenna laying on the ground but the SWR was still a respectable 1.5 even without the upper 10 feet! Bill was supervised by his friend Beth.

Dave also made some AC current measurements with his new AC Clamp on meter in an attempt at seeing where power was being used. Stan suggested checking the SDG&E ground stake and we were very puzzled to learn that we had 3A of current flowing through the ground rod! This problem needs to be looked at immediately.

W6GNIAlDonlevy and Stan poured cement into the new foundation for the battery chargers. They then worked on the two of the ***KF6LWR***TobyLau donated computers which Stan had earlier lashed together at his QTH. Al loaded Windows 3.1 into the computers which also had DOS 6.22 along with a word processor, PARC membership data base, and QBASIC for future programs.

Al also fired up the club's 110vac 1,250 watt AC generator which ran nicely after not having see use since last year at our last work party. It is fired up at each work party to see that it is still working.

Stan also took "inventory" pictures of the site and items inside of all buildings.

It was a great day. Wish you were there!

(5-??)***AB6QT***Mike and friend visited Rpt Site to look at possible AC problems.

(5-9)***W9FQN***Stan and ***NU6L***Joey visited Rpt Site to look at possible AC problems.

(5-12)FD workparty at ***W9FQN*** QTH checking out antennas and FD publicity. Present were: ***KR6BT, WB6IQS, AC8Q*** and ***Liz, W1OJA,*** and ***NN3V.*** A good time was had by all we hope.

(5.21)***AB6QT***Mike and ***W9FQN*** Stan were at the site to meet with SDG&E by appointment between 8-12am. **SDG&E** did not show or call as promised. It appears they came 3 days earlier without warning and the problem with the AC still exists.

Technical, autopatch, repeaters, etc:

AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)

Dead Phones?

Ah, there are rumors of electrical blackouts in San Diego County this summer?

...and what are you going to do during a black out if your cordless phone goes dead from a lack of infusion of electrons surging back and forth?

Remember, your SDG&E electricity might be off for as long as 90 plus minutes at a time several times a week.

Well, you still can make telephone calls using your hand-held or mobile transceiver. If you have registered for the PARC autopatch system, all you need to do is -

dial a 3-digit access code
dial your 4-digit PIN
dial your BOX number (1-4 boxes)

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or dial the phone number you want.

If you have a **PIN** and have not used it lately, be sure to get on 147.130 and get in a few practice calls before you really wished you remembered how to use the system.

If you do not have a **PIN** or **BOX** numbers, be sure to contact W9FQNStan at - **W9FQN1@Juno.com** or see him at the next club meeting to get registered to use the autopatch system.

Some members are using their high speed rig dialers to do the dialing automatically which makes life much easier in dialing long phone numbers.

Projects ..Help!

The club has the following projects that need project managers and/or helpers.

1. **Video monitors** - the club has a number of video surveillance monitors which can be used to look at the site and various door entrances. The pictures can then be sent out on the club's ATV repeater so that we can see the cause of the alarm.

WB6IQSJohnKuivinen has made up a switcher so that we can switch between the 4-5 other cameras which we want to place at the repeater site.

2. **Tower Video** - we would like to be able to inspect the club's antennas on the tower during bad weather or after storms. With a monitor, we would have been able to spot the recent loss of 10 feet of the 6m repeater antenna. One system is being worked on now but we probably could use a "specialized" system with a donated camera.

3. **Computer control of repeaters** - usually various control codes are needed to turn our repeaters on and off, remove the "P" so that our repeaters are not P'ing on us, add or subtract PL and timeout timers, etc. ... all of which are a pain and consume lots of time especially when you have 6-7 repeaters to control.

4. **Battery monitor** - we need to keep track of battery voltages so that we are not overcharging the batteries or running them down too far when we are on battery backup after loosing 110 vac. ***KC6YSO***David has a packet unit that we think could measure some of the required voltages he could probably use some help from someone on packet.

5. **Emergency BBS** - using club equipment and computer, we would like to set up another BBS (bulletin board system) which is "specialized" for various information which can be used in emergencies. The new BBS would not handle traffic but be used as a "data base" for equipment and personnel.

If you have any interest in any of these projects, contact ***W9FQN***Stan at W9FQN@Juno.com, 760-749-0276, or a club meetings.

Tower Climbers

During the past two years the club has been blessed with some good tower climbers but we have lost one due to a Marine leaving Camp Pendleton and another climber returning to Europe.

At present, we are down to two climbers: ***KF6NKC***DanBurke and ***W9FQN***Stan (hey, he **is** past 71)!

We need more new blood! We need it badly!

The club furnishes training in climbing, climbing harnesses (seat and chest), and an opportunity to get up in the world above your friends. This is a great opportunity to "look down" on everyone else!

We have several items that were not finished last year on the tower. We also need to start a thorough checking of all of our antennas for possible problems.

If you would like to get up in the world (about 70 feet), please contact ***W9FQN***Stan at W9FQN@Juno.com or see him at club meetings ...or at the next work party June 10th. Your help is greatly needed.

TT Speed Dialers

We have noted several members using their rig's high speed touch tone dialers. Our new system (Jan 2000) is able to handle these high speed dialers(**HSD**) but only if you programmed them properly.

Many items in the repeater building are controlled by relays and they take a finite amount of time to operate so with the HSD it is possible to "loose" the first digit in you dialer memory.

Suggestion: put the first digit of the access code in **TWICE** and your HSD should work properly. So instead of sending something like .....
x y z u v w....., try **x x** y z u v w.....
The first tone will probably get lost but the relay will probably pull in fast enough to get the second touch tone digit allowing your high speed dialer to complete the call.

Mountain Sunshine

San Diego is known for "June Gloom" which doesn't always come in June.

Quite often while driving up to Palomar Mountain on a work party we will come from these areas of "June Gloom" and drive out of them around 3,000 feet on Palomar Mountain where one is greeted with brilliant sunshine which reaches all the way to the ground!

If you hate leaving the family at home during PARC work parties, why not include them in the excursion?

From the repeater site they can walk about a mile to the southern tip where there are great views of San Diego County or walk about a mile north to Mother's Kitchen where they can obtain a delightful vegetarian lunch and if so inclined, they can get "take out" and walk back to the county park to eat.

...or they could drive out to the Palomar Observatory where they can see the Observatory and there are benches for eating a noon lunch while you are having an educational lunch with other amateurs during the noon break.

Blackout/Brownout

This summer in San Diego County should be quite interesting. This will be the first year that we have been faced with "rolling blackouts" throughout the summer.

These blackouts could cause various types of problems which we might want

to be prepared for before they happen.

Stop Lights - when power is off many of the stoplights have been set up to go into the blinking STOP mode ..or they are not working at all. These all cause special problems. Drivers are going to be late to work or getting home with some of them being extremely irritated. There probably will be MANY cell phone calls from these local areas which could tie up the cell sites making them almost useless as has been reported on TV lately.

So, do you know how to use the autopatch and what PIN number you have that you picked up over a year ago? The autopatch bypasses the cell site and you have a greater chance of completing your call.

You need to remember that the FCC has said that you cannot use the autopatch to call into late work BUT if your absence will affect the safety of personnel it probably would be permitted although you might have to defend your call with an FCC inspector.

One way around the above problem, is to call home with the understanding that when you do and you mention that you are tied up in traffic and might be late for work, that the person at the other end has your work number and makes the call for you explaining the situation to your place of work.

Patch Busy

There are several types of "busy signals" that you can hear on our autopatch system -

1. The regular distinctive "busy signal" that the phone company puts on the phone line:

you hear 8-11 beeps from our system and then a "busy signal" from the phone company

2. The PARC "busy signal":

you immediately hear a "busy signal" and NO beeps. That is the PARC busy signal and it sounds a little like the phone company busy signal .. it was meant to sound that way.

If you hear a telephone busy signal, dial again in 3-5 minutes.

If you hear PARC busy signal it means someone else is using the autopatch on one of the club's other 3 repeaters. See which repeater is being used and when they are done, go back to 147.130 and run your autopatch.

The PARC busy signal buzz came out of a child's toy which ***WB6FMT***Jerry Houser spotted and he liked the sound of it.

Contests

Harry Hodges **W6YOO@amsat.org**

Jun 2 Telephone Area Code Contest
Jun 9 Portugal Day Contest
Jun 9 WW South American CW Contest
Jun 9 ARRL VHF QSO Party
Jun 16 All Asia CW Contest
Jun 16 SMIRK (6 M) QSO Party
Jun 17 WV QSO Party
Jun 23 ARRL Field Day
Jun 30 Venesuela SSB Contest
Jul 1 RAC Canada Day
Jul 4 Fourth of July QRP Sprint
Jul 14 IARU HF Championship
Jul 14 CQ WW VHF Contest

Only a few DX Contests this month; however, the West Virginia QSO part will allow you to work this semi-rare state in pursuit of the WAS award. Individual country contests are like our state QSO parties. You work the country, they work the world. Rules are published in Amateur Radio magazines, e.g. QST, CQ, NCJ, and Worldradio. See you in the contest. 73, Harry, W6YOO

Ham Construction

Over the years the Palomar Amateur radio club has put together many repeaters and our Technicians have done a fantastic job in taking $10-15 worth of old Motorola mobile units and turning them into good repeaters.

There have been several areas where the club has shied away from:

1. Construction of cavities although back in the early 1970's a group of club members made some cavities out of old shell casings picked up from local military units. These were turned into serviceable cavities. The recently, N6PIGBill tackled a six cavity duplexer for 6m which is in service at the site. A good duplexer sells for between $800-1000.

2. All of the club's repeater antennas have been store bought. The 146.730 repeater antenna was bought "used" in the early 1970's. A new 4-folded dipole collinear sells for about $900.

The club has yet to construct any VHF/UHF antennas for our 2m and 440 repeaters.

The construction of 2m repeater antennas by the club can be done if we can get some club members interested in the project. The antennas to be constructed can be broken up into approximately two parts:

a. The mechanical construction using aluminum tubing, bracing, etc.

b. Engineering the feed of the antennas to match 52 ohm coax.

The weather environment at the site is severe so we need to be especially careful of the construction to withstand high winds, ice loading, and ice falling on the antenna.

The impedance matching must also be sealed from the weather.

Hey, this could be a fun project, the club could save money and we could all learn something from the project.

Interested? Contact W9FQN @Juno.com or at club meetings.

Satellite AO-40

Good news about the ailing ham radio satellite Amsat Oscar 40 - the first amateur bird in a high elevation orbit. The first successful transponder test has taken place and the satellite appears to be "open for business" with limitations.

On April 28, the satellite's 70 and 23-centimeter receiver passbands were connected to the 13-centimeter transmitter downlink and were briefly checked out by command stations using PSK, CW, and SSB. The tests worked extremely well despite a possible hole that may have been blown in the satellite from an earlier on-board explosion - an accident that has damaged some of the radio gear.

For information on operating through the bird, see:

http://www.arrl.org/arrlletter/01/0511/

PARC NETS (06/01)

*All 147.075 10-11pm **MCW** contacts*
*All 147.130 2130+ pm **Facitious Group***

Sun.146.730 8:30am **AREmergency Service**
Sun.146.730 10:00am Sunday **Sailor's Net**
Sun.147.075 8:45pm **MARA Net**
Mon.146.730 9:00pm **Microwave Net**
Tue.146.730 8:00pm **Traffic Net (SDCTN)**
Tue 146.730 9:00pm **Off Roading Net**
Thu.146.730 8:00pm **Traffic Net (SDCTN)**
Thu.146.730 9:00pm **Ham Help Net**
(electronics, computers, antennas, license theory, etc.)
Fri.146.730 9:00pm **Hiker's Net**
Sat. 146.730 8:00pm **Traffic Net (SDCTN)**
Sat. 52.680 8:00pm **6m ARES Net**
"other non-PARC nets"
Convair/220 Club: 224.900 PL 107.2Hz
Mon 8:30pm, Tech. & News
Fallbrook ARC:146.175 + PL 107.2 Hz
????

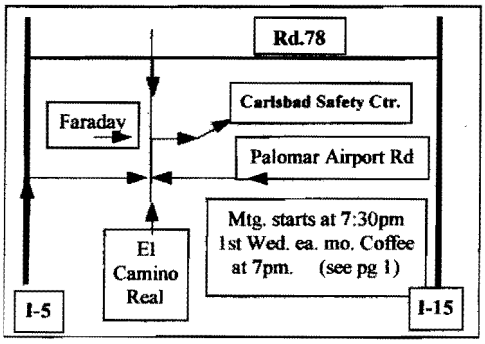
POSTMASTER:
Send address changes to Scope,
P.O.Box 73, Vista, CA 92085

Time Dated Material

Jun
2001
pg.12
-72-
1,552

July 4th meeting to be held on July 11th!
so that our members can go forth to celebrate the Fourth!

Perodicals
Postage Pd.
at Vista CA
92085-9998



pse cover me!

Fold, I am not sold but old and cold, I am told !

PARC Web Page (KE6WOE)
http://members.home.net/parc/

OPEN Repeaters/CLOSED Patches
Palomar Mt. Repeaters (W6NWG)
PARC Trustee of W6NWG: **AB6QT**

***52.680**- W6NWG, -0.5 MHz
Autopatches(4): **146.730-**, ***147.075+**
***147.130+**, ***447.000-**
PKT: **145.050s** (PALMAR/W6NWG-1)
146.700-(Duplex Pkt) PALBBS/EMG use
145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": **1241.25** MHz AM
ATV"IN": **915**wbfm, **919**am,
2441.25wbfm
Intercom: **146.415** PL 79.7 nbfm
Affiliated:
***224.38**- & ***224.94**- KK6KD(HARS)
***447.05**- & ***145.26**- KK6KD(HARS)
***146.175+** N6FQ(FalbrkARC) linked
to ***445.600** MHz (-)
***224.90**- WD6HFR (Convair/220 ARC);
446.14- WB6FMT(123.0)Vista;

***=107.2 Hz**

Pg. NEWS WORTHY

01 Club program;
02 Board Mtg.; AGOGO; Last; Goodie; Fold & Staple; Board Mtg.
03 Officers; Trea$; PresMsg;
04
05
06
07 For Sail; Wanted
08
09 Work parties;
10
11 Contests;
12 You are looking at it!

(do you always read the fine print?)
and even this"

Web Pages

PARC's Home Page - *KE6WOE*
http://members.home.net/parc/
Rod's General Home Page - *AC6V*
http://ac6v.com/
ARES Alert Publication
http://www.qsl.net/sdgarrl/alert.htm
Tom's Hiker's Home Page - *KF6PAZ*
http://www.fanciful.org/san-diego-hiker

Repeaters in Use

Please schedule special repeater use at least one month ahead of intended use with W9FQN: none

PARC 2001 Calendar

June 2001 -
06 Wed, Club Mtg.7:30pm.Carlsbad SafetyCtr
09 Sat, PARC Testing, Carlsbad Safety Ctr
10 Sun, Work party at repeater site
13 Wed, Board Meeting W9FQN QTH

(more fine print)

Join the ARRL

Escondido Testing - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N.Broadway, Esc 92025. Contact Harry ***W6YOO*** 760-743-4212.